

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042466.D
 Acq On : 26 Oct 2023 23:29
 Operator : MA/JU
 Sample : 04846-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WASTERE

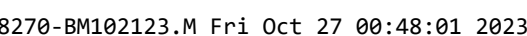
Quant Time: Oct 27 00:47:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

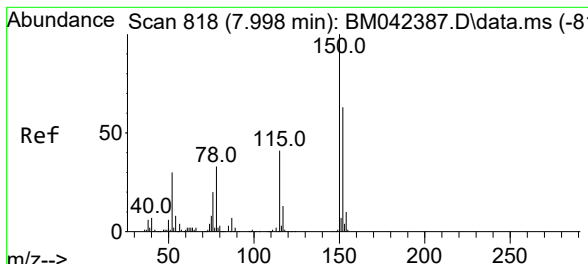
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	207526	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	847330	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	473096	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	918630	20.000	ng	0.00
76) Chrysene-d12	21.562	240	649173	20.000	ng	-0.02
86) Perylene-d12	24.027	264	600434	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2002241	136.359	ng	0.00
7) Phenol-d6	7.151	99	2718053	138.127	ng	0.00
23) Nitrobenzene-d5	9.192	82	1812257	94.576	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	888140	167.145	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	3582557	101.973	ng	0.00
79) Terphenyl-d14	20.003	244	4466741	122.028	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.081	117	22833	3.910	ng	# 1
26) 2-Nitrophenol	9.969	139	1916	2.952	ng	# 1
32) Benzoic acid	10.045	122	5380	5.819	ng	# 1
35) Caprolactam	11.745	113	62015	17.849	ng	# 61
38) 1-Methylnaphthalene	12.686	142	329605	12.009	ng	# 98
48) 2-Nitroaniline	13.733	65	4931	4.014	ng	# 1
51) 2,6-Dinitrotoluene	14.280	165	1867	3.111	ng	# 46
53) 3-Nitroaniline	14.598	138	907	3.356	ng	# 68
54) 2,4-Dinitrophenol	14.804	184	56	8.179	ng	# 1
56) 4-Nitrophenol	14.827	139	32673	4.623	ng	# 49
57) 2,4-Dinitrotoluene	15.016	165	15382	5.407	ng	# 61
58) Fluorene	15.686	166	99190	2.957	ng	# 92
62) 4-Nitroaniline	15.686	138	2705	4.080	ng	# 42
65) 4,6-Dinitro-2-methylph...	15.786	198	1540	6.314	ng	# 1
66) n-Nitrosodiphenylamine	15.821	169	86694	3.133	ng	# 90
70) Pentachlorophenol	17.027	266	560	6.054	ng	# 43
71) Phenanthrene	17.433	178	441880	8.842	ng	# 97
74) Di-n-butylphthalate	18.327	149	13372	3.031	ng	# 49
75) Fluoranthene	19.439	202	247464	4.496	ng	# 98
78) Pyrene	19.809	202	254965	5.620	ng	# 96
80) Butylbenzylphthalate	20.680	149	2088	3.353	ng	# 52
84) Bis(2-ethylhexyl)phtha...	21.427	149	31887	4.383	ng	# 94
85) Di-n-octyl phthalate	22.362	149	1456	4.245	ng	# 69
88) Benzo(b)fluoranthene	23.262	252	81020	2.242	ng	# 94
89) Benzo(k)fluoranthene	23.262	252	81020	2.159	ng	# 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Oct 27 00:47:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

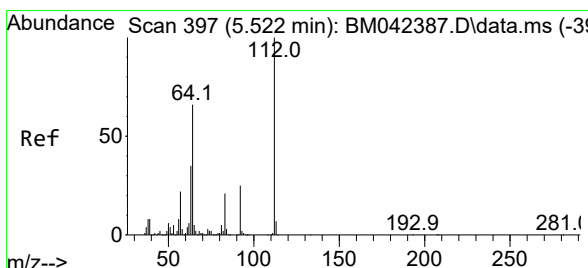
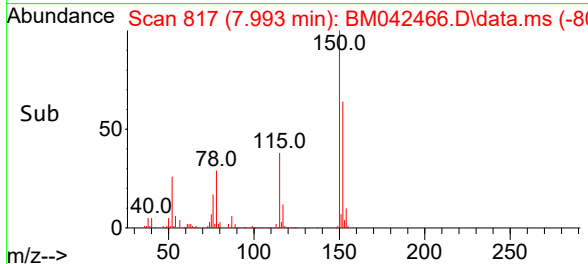
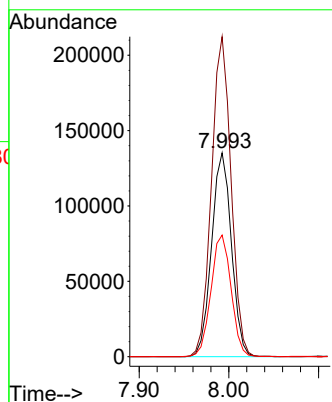
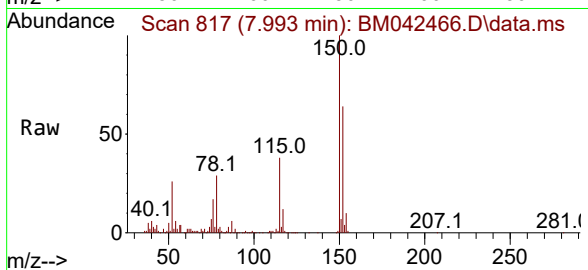




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.993 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BM042466.D
 Acq: 26 Oct 2023 23:29

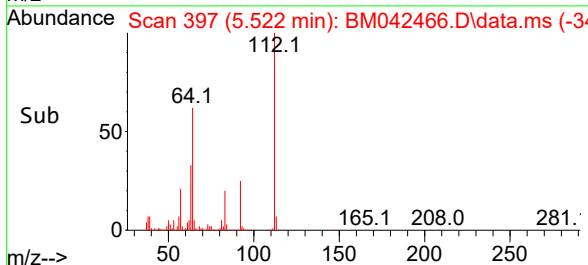
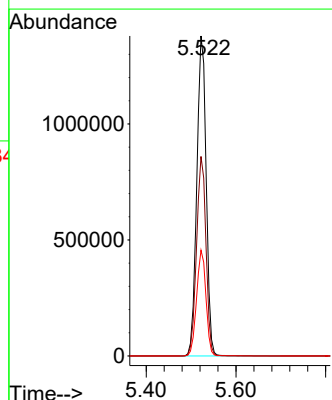
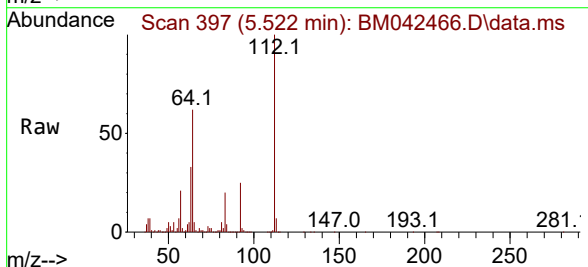
Instrument :
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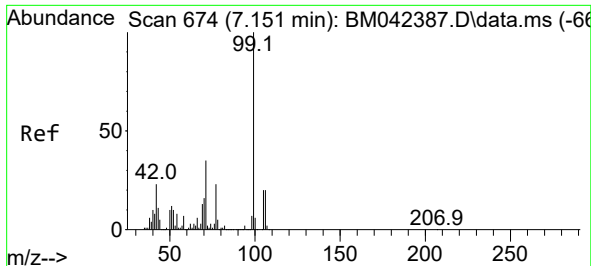
Tgt Ion:	152	Resp:	207526
Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.4
115	59.7	51.9	77.9



#5
 2-Fluorophenol
 Concen: 136.359 ng
 RT: 5.522 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: BM042466.D
 Acq: 26 Oct 2023 23:29

Tgt Ion:	112	Resp:	2002241
Ion	Ratio	Lower	Upper
112	100		
64	62.3	52.7	79.1
63	33.1	28.3	42.5

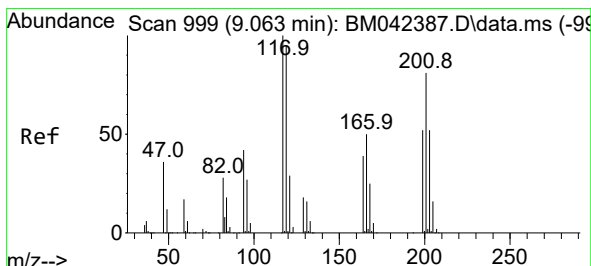
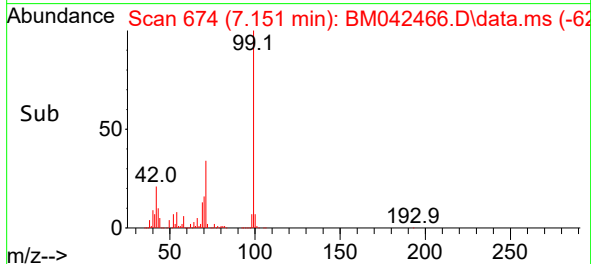
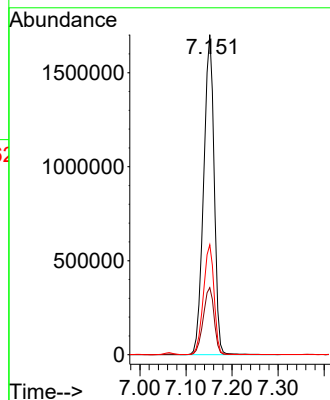
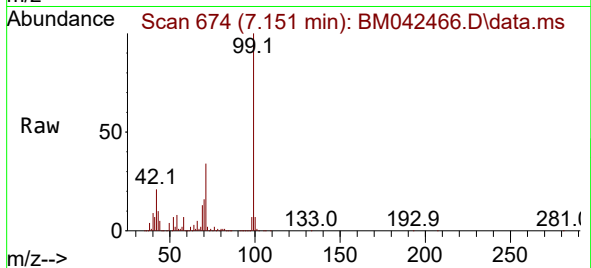




#7
Phenol-d6
Concen: 138.127 ng
RT: 7.151 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

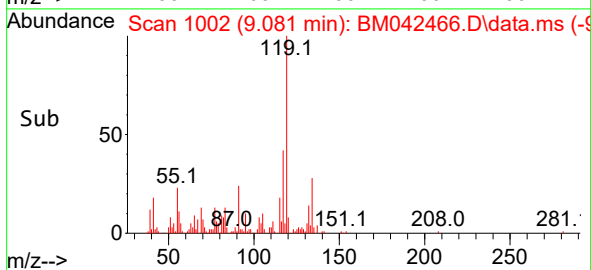
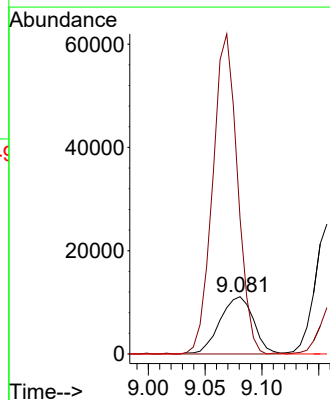
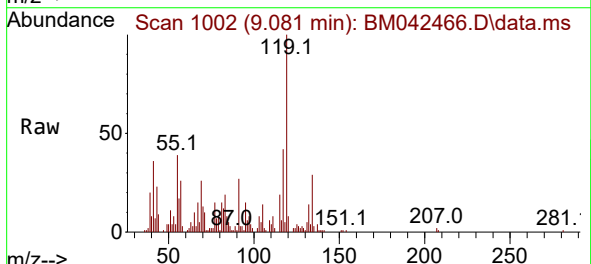
Instrument :
BNA_M
ClientSampleId :
WASTERE

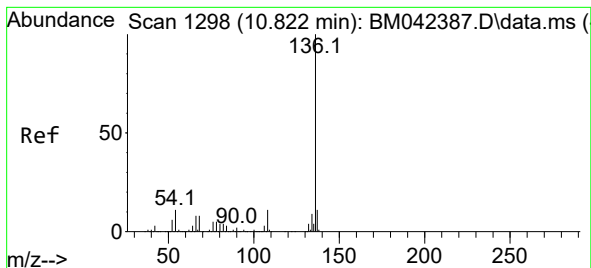
Tgt Ion: 99 Resp: 2718053
Ion Ratio Lower Upper
99 100
42 20.9 18.5 27.7
71 34.4 27.7 41.5



#18
Hexachloroethane
Concen: 3.910 ng
RT: 9.081 min Scan# 1002
Delta R.T. 0.018 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

Tgt Ion: 117 Resp: 22833
Ion Ratio Lower Upper
117 100
119 237.3 75.9 113.9#
201 0.0 64.6 97.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.816 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE

Tgt Ion:136 Resp: 847330

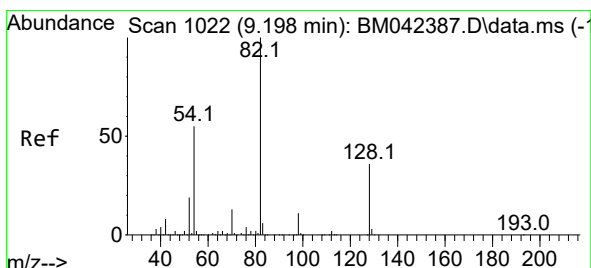
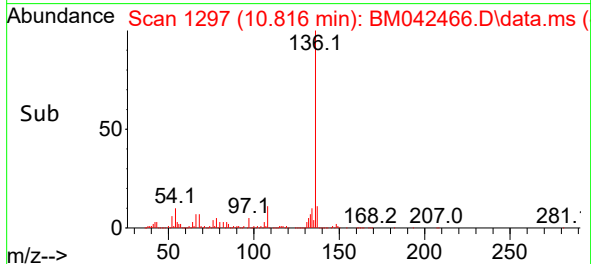
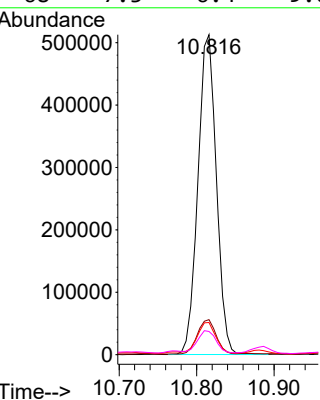
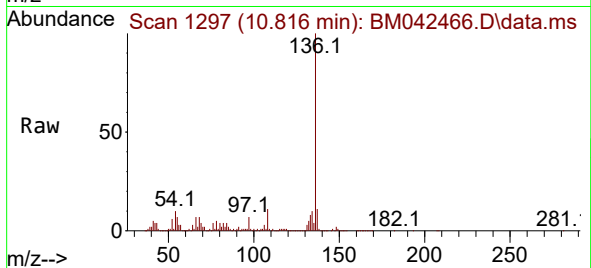
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.1 8.6 12.8

68 7.3 6.4 9.6



#23

Nitrobenzene-d5

Concen: 94.576 ng

RT: 9.192 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

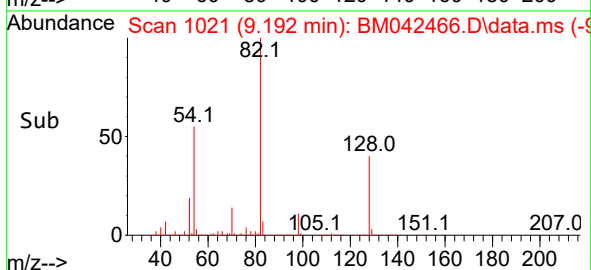
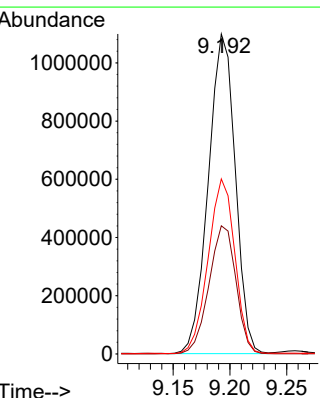
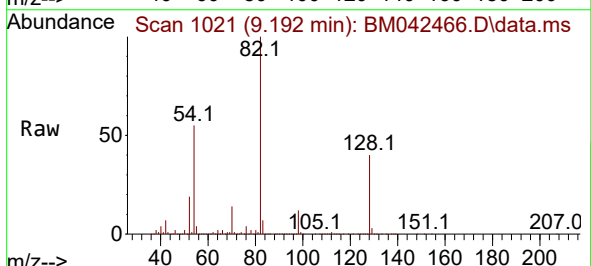
Tgt Ion: 82 Resp: 1812257

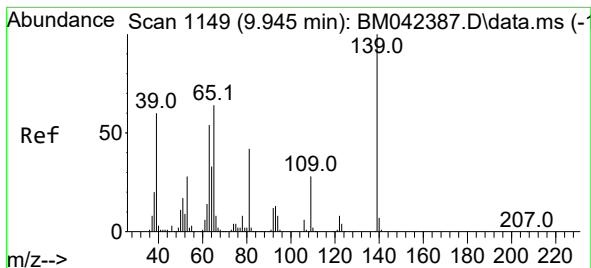
Ion Ratio Lower Upper

82 100

128 40.1 29.0 43.6

54 54.7 43.7 65.5

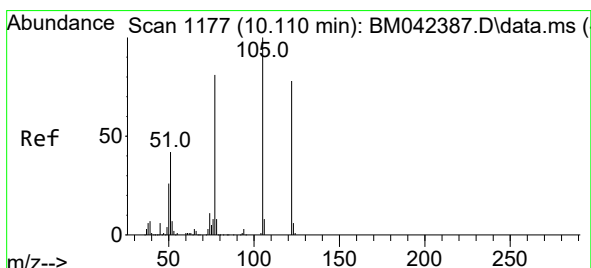
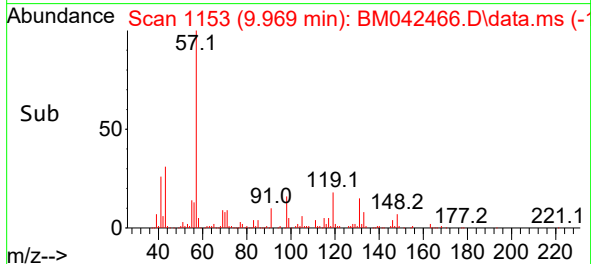
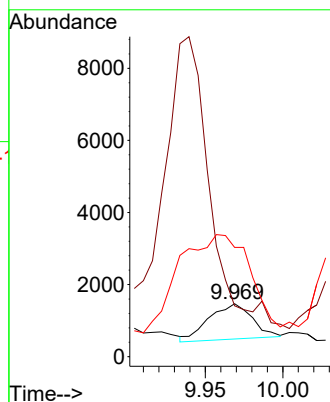
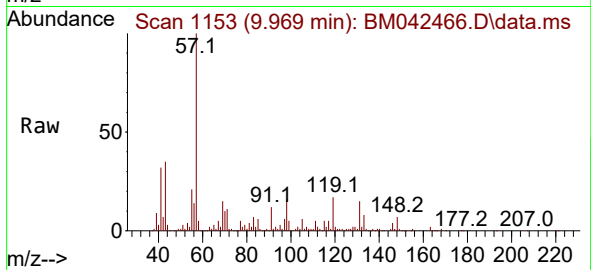




#26
2-Nitrophenol
Concen: 2.952 ng
RT: 9.969 min Scan# 1149
Delta R.T. 0.024 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

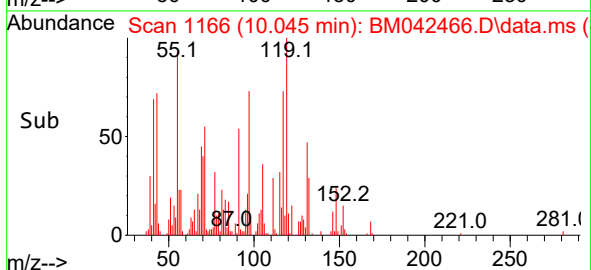
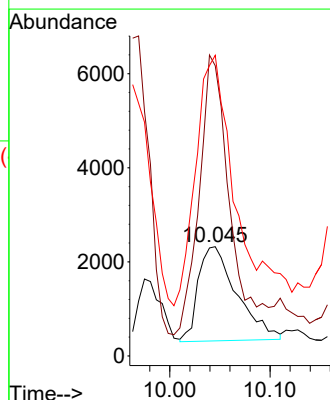
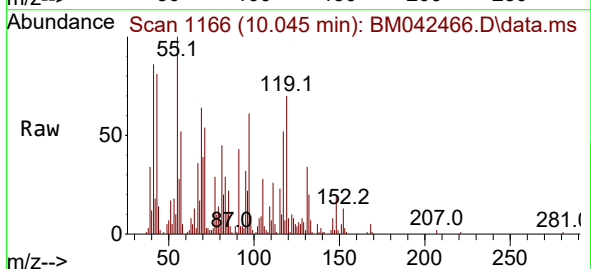
Instrument :
BNA_M
ClientSampleId :
WASTERE

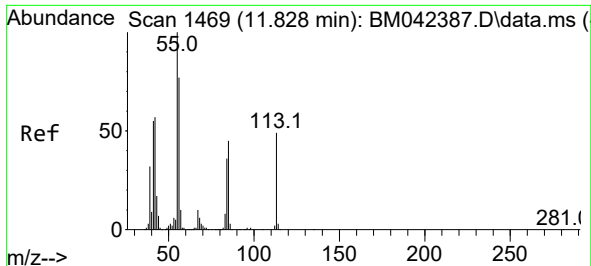
Tgt Ion:139 Resp: 1916
Ion Ratio Lower Upper
139 100
109 96.0 22.3 33.5#
65 206.1 51.1 76.7#



#32
Benzoic acid
Concen: 5.819 ng
RT: 10.045 min Scan# 1166
Delta R.T. -0.065 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

Tgt Ion:122 Resp: 5380
Ion Ratio Lower Upper
122 100
105 265.6 104.9 144.9#
77 275.2 83.4 123.4#

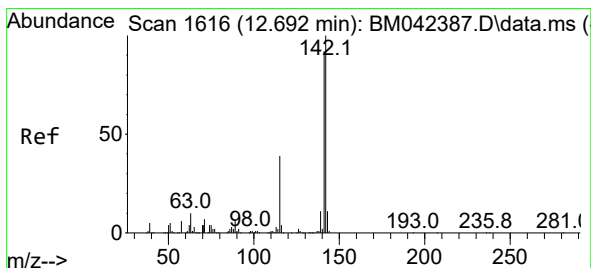
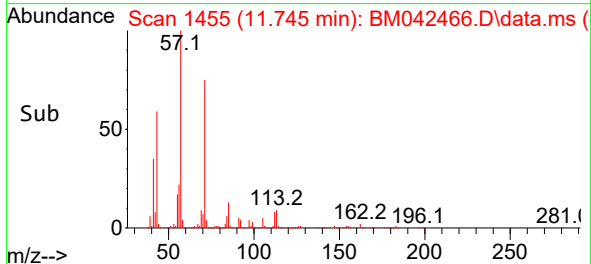
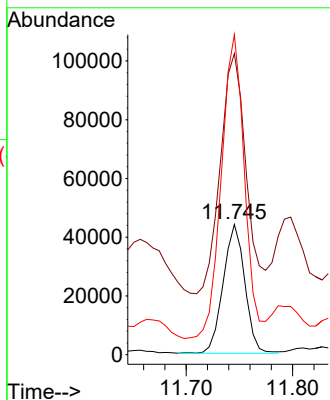
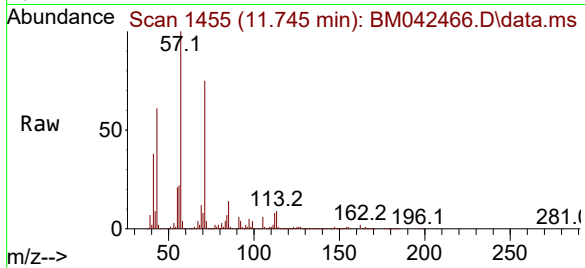




#35
Caprolactam
Concen: 17.849 ng
RT: 11.745 min Scan# 1469
Delta R.T. -0.083 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

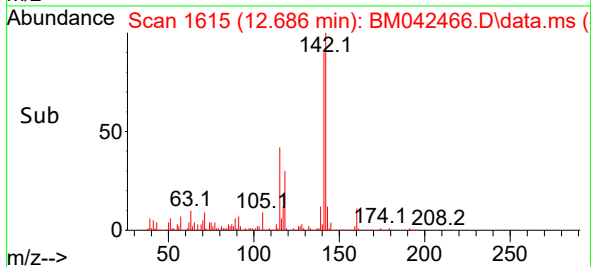
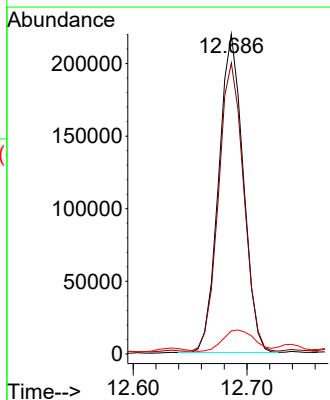
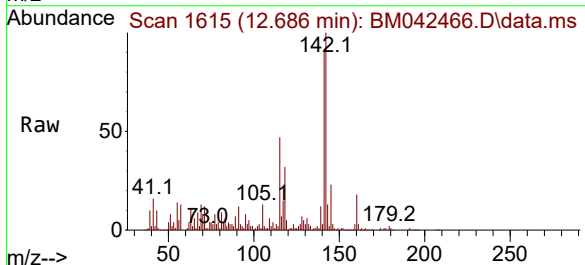
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BNA_M
ClientSampleId :
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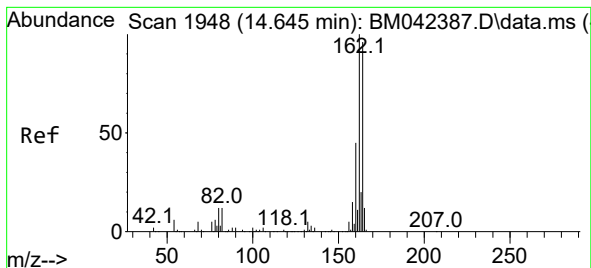
Tgt Ion:113 Resp: 62015
Ion Ratio Lower Upper
113 100
55 231.2 185.6 225.6#
56 245.7 137.8 177.8#



#38
1-Methylnaphthalene
Concen: 12.009 ng
RT: 12.686 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

Tgt Ion:142 Resp: 329605
Ion Ratio Lower Upper
142 100
141 91.0 73.8 110.6
116 7.2 3.3 4.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.639 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE

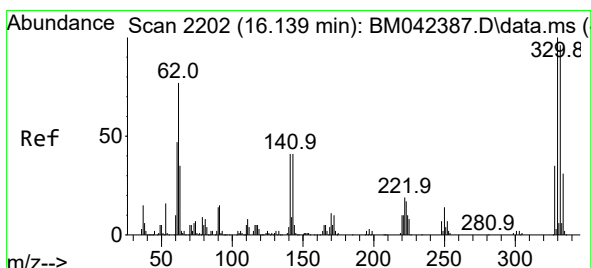
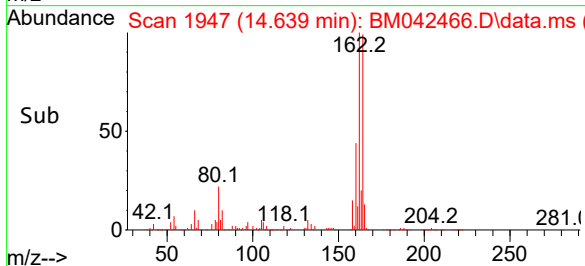
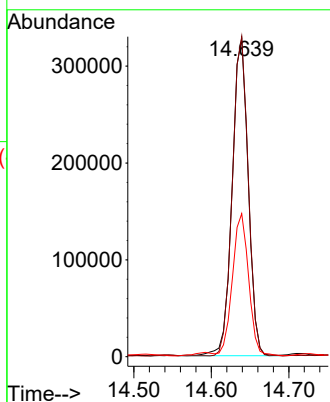
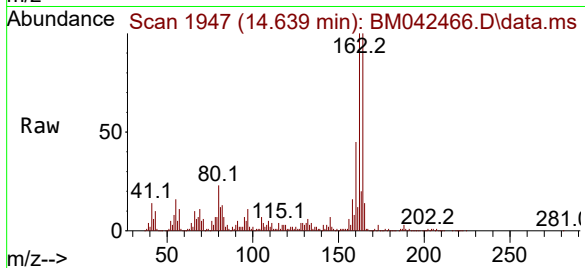
Tgt Ion:164 Resp: 473096

Ion Ratio Lower Upper

164 100

162 100.5 83.0 124.4

160 44.9 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 167.145 ng

RT: 16.133 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

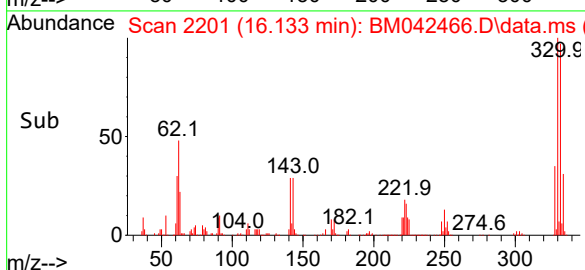
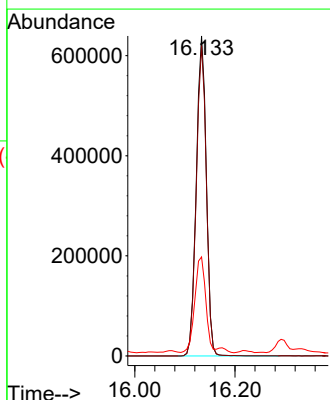
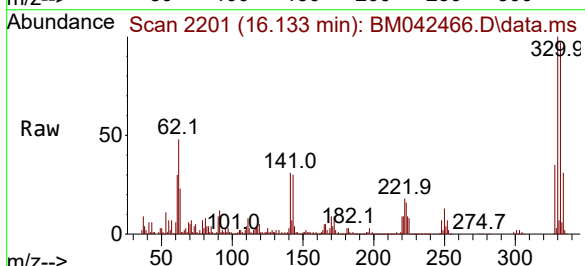
Tgt Ion:330 Resp: 888140

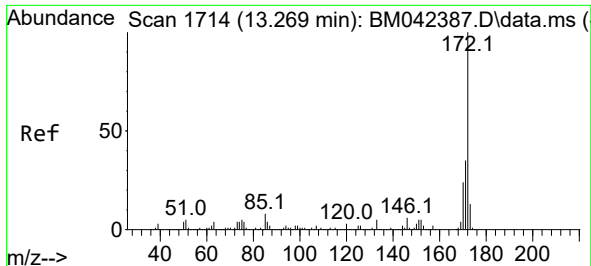
Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 32.6 38.0 57.0#

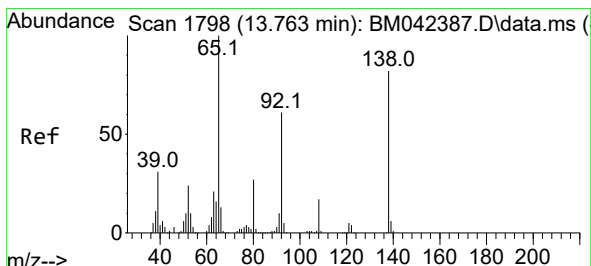
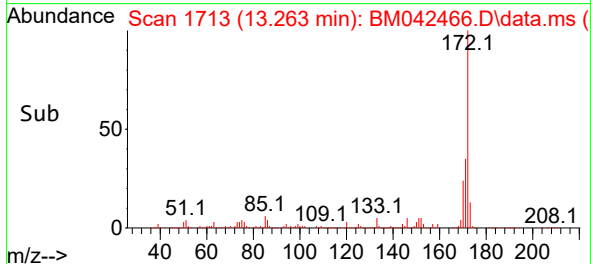
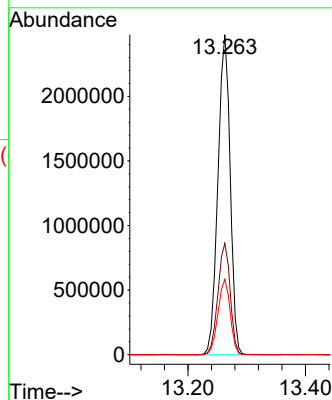
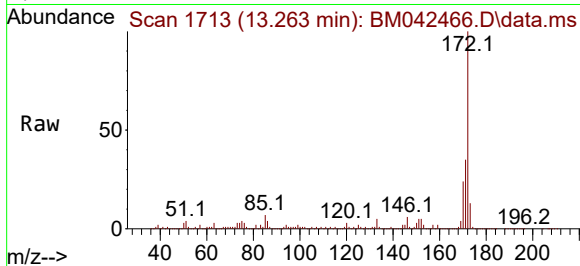




#45
2-Fluorobiphenyl
Concen: 101.973 ng
RT: 13.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

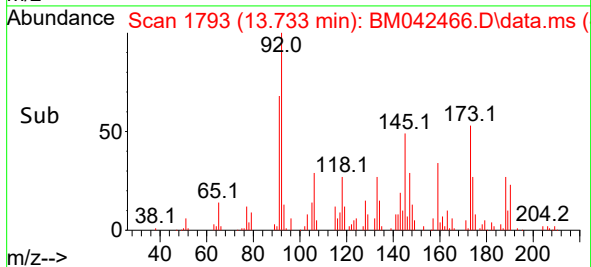
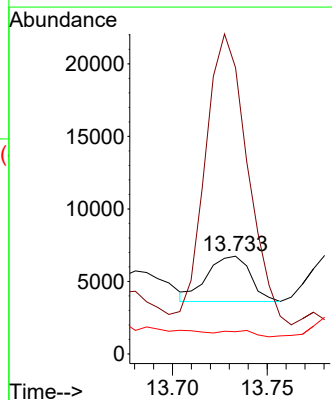
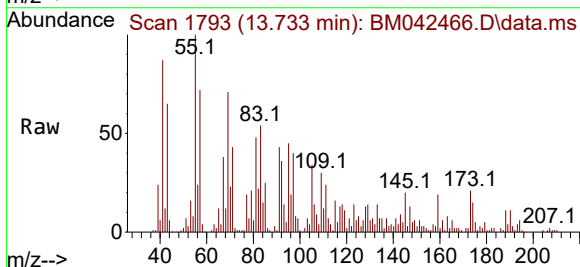
Instrument :
BNA_M
ClientSampleId :
WASTERE

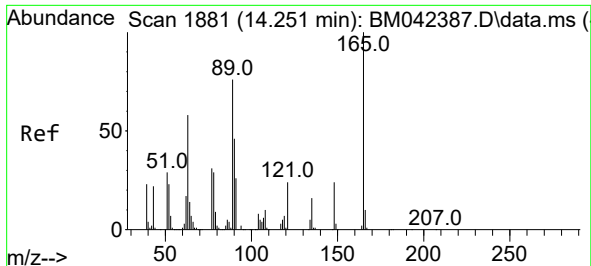
Tgt Ion:172 Resp: 3582557
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.6 18.9 28.3



#48
2-Nitroaniline
Concen: 4.014 ng
RT: 13.733 min Scan# 1793
Delta R.T. -0.030 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

Tgt Ion: 65 Resp: 4931
Ion Ratio Lower Upper
65 100
92 292.9 49.0 73.6#
138 22.8 65.5 98.3#





#51

2,6-Dinitrotoluene

Concen: 3.111 ng

RT: 14.280 min Scan# 1886

Delta R.T. 0.029 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE

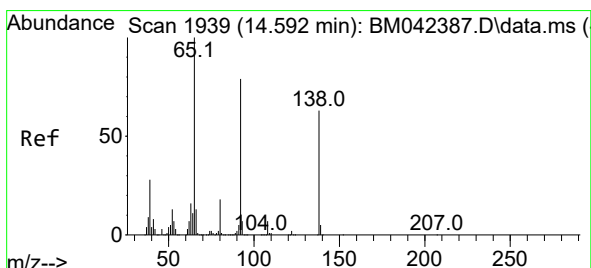
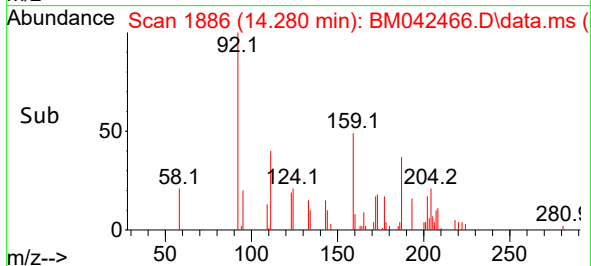
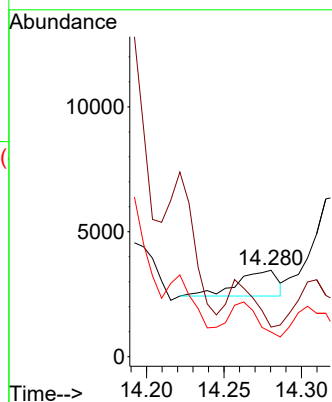
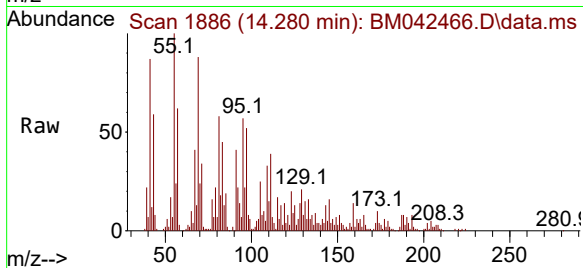
Tgt Ion:165 Resp: 1867

Ion Ratio Lower Upper

165 100

63 34.3 65.3 97.9#

89 28.5 60.6 91.0#



#53

3-Nitroaniline

Concen: 3.356 ng

RT: 14.598 min Scan# 1940

Delta R.T. 0.006 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

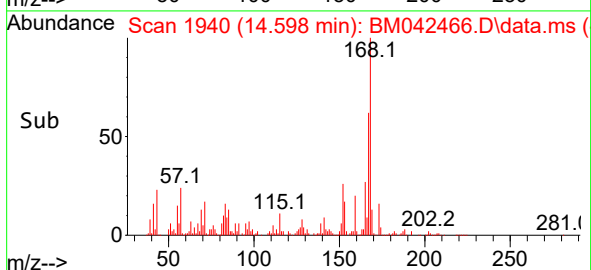
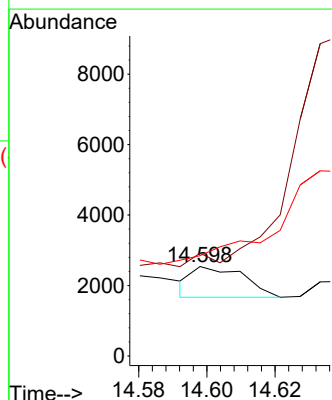
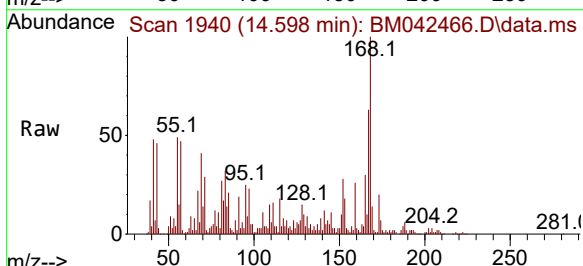
Tgt Ion:138 Resp: 907

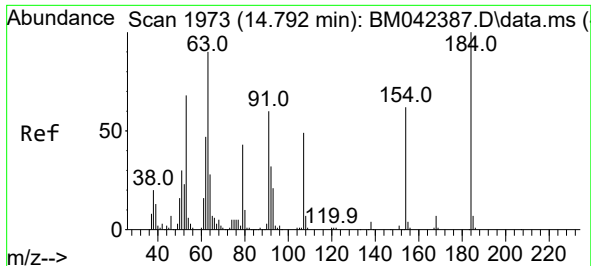
Ion Ratio Lower Upper

138 100

108 114.9 8.3 12.5#

92 112.2 100.6 151.0

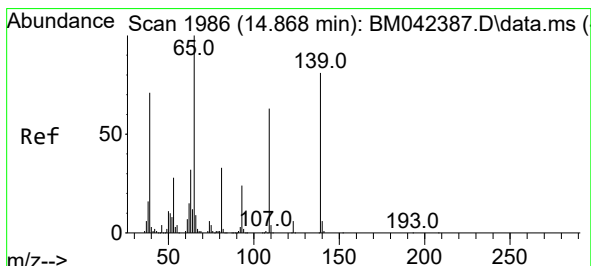
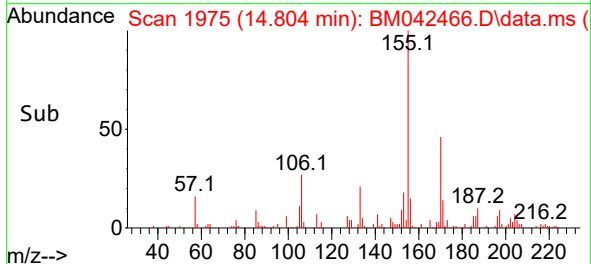
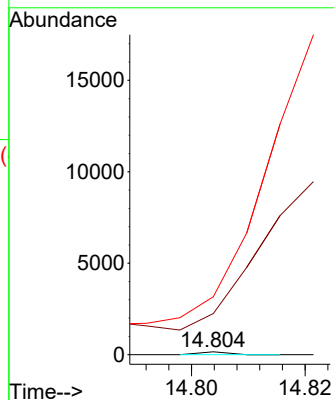
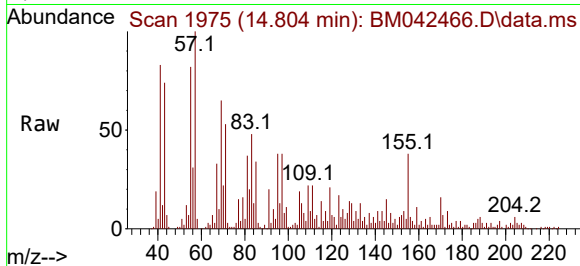




#54
2,4-Dinitrophenol
Concen: 8.179 ng
RT: 14.804 min Scan# 1973
Delta R.T. 0.012 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

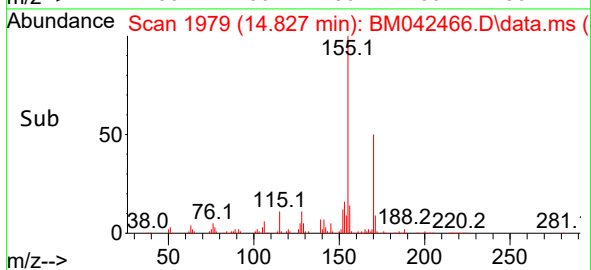
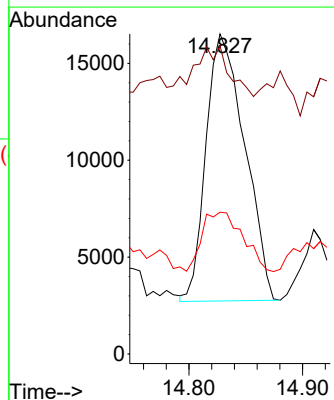
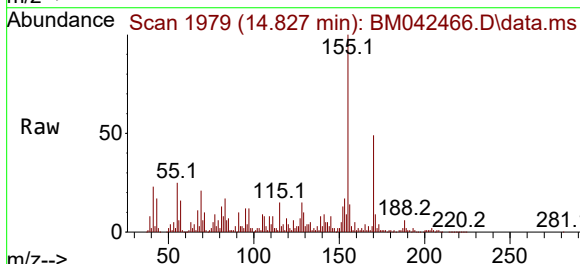
Instrument :
BNA_M
ClientSampleId :
WASTERE

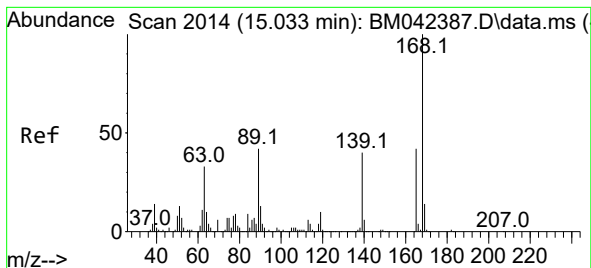
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 1412.6 72.2 108.2#
154 1991.2 49.6 74.4#



#56
4-Nitrophenol
Concen: 4.623 ng
RT: 14.827 min Scan# 1979
Delta R.T. -0.041 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

Tgt Ion:139 Resp: 32673
Ion Ratio Lower Upper
139 100
109 96.3 58.0 98.0
65 44.3 104.2 144.2#





#57

2,4-Dinitrotoluene

Concen: 5.407 ng

RT: 15.016 min Scan# 20

Delta R.T. -0.017 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE

Tgt Ion:165 Resp: 15382

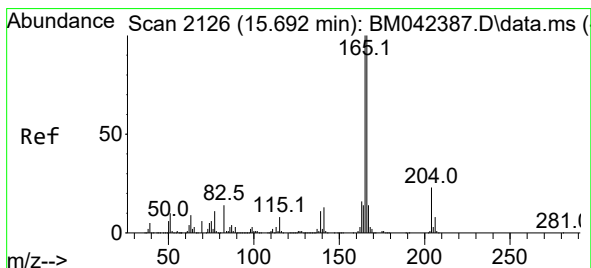
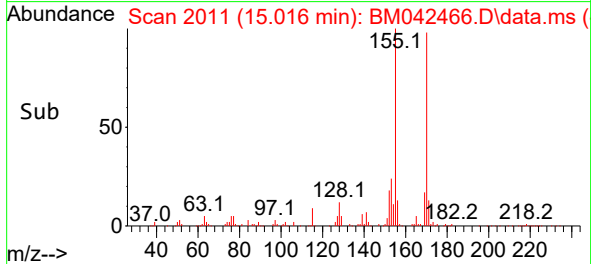
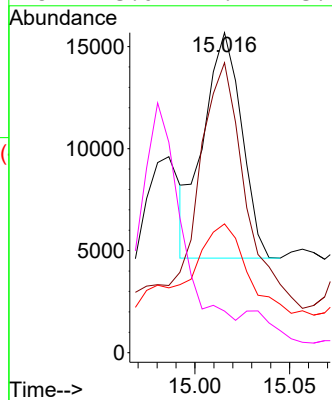
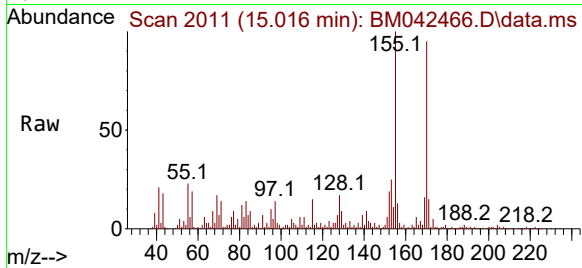
Ion Ratio Lower Upper

165 100

63 90.6 62.9 94.3

89 40.2 80.2 120.2#

182 13.0 2.1 3.1#



#58

Fluorene

Concen: 2.957 ng

RT: 15.686 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

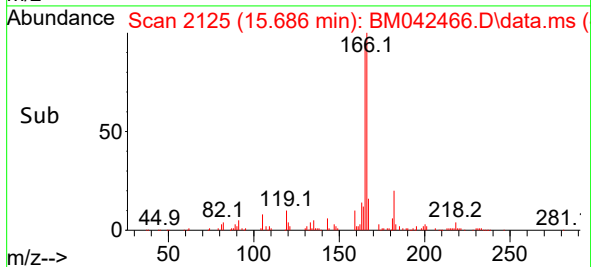
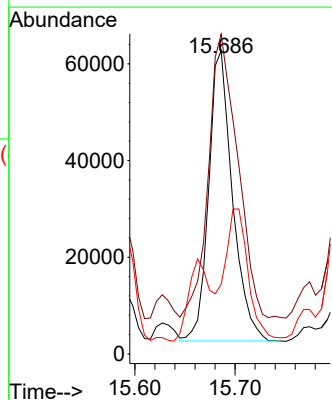
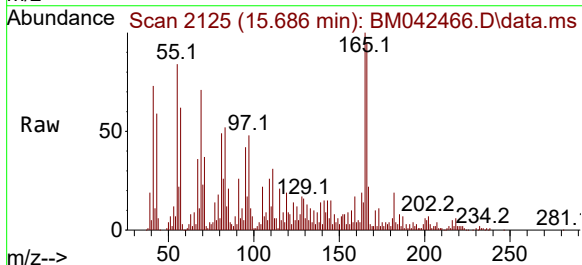
Tgt Ion:166 Resp: 99190

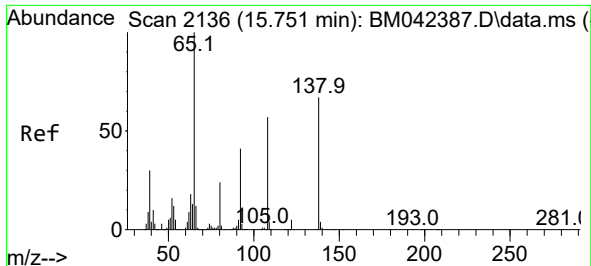
Ion Ratio Lower Upper

166 100

165 105.5 79.6 119.4

167 22.9 10.9 16.3#

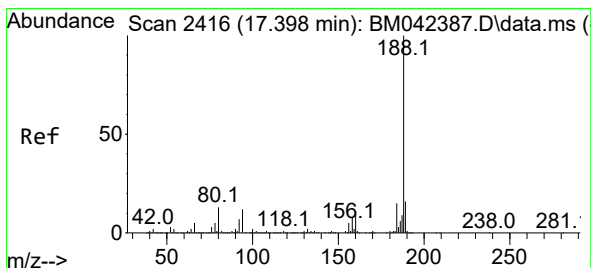
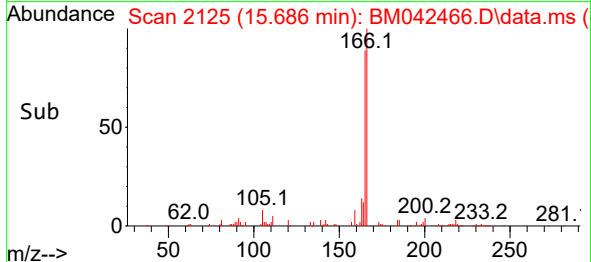
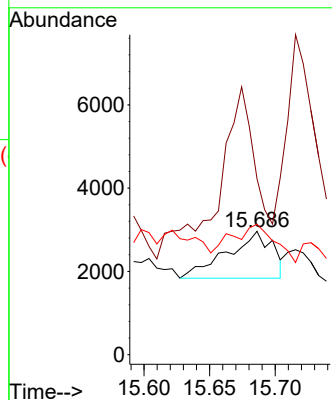
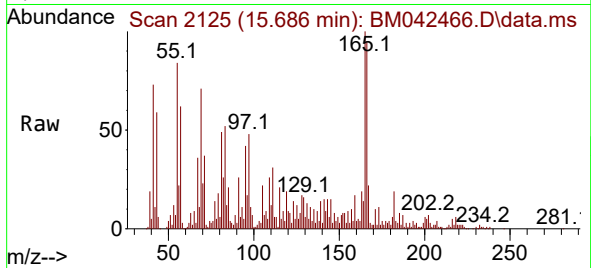




#62
4-Nitroaniline
Concen: 4.080 ng
RT: 15.686 min Scan# 2136
Delta R.T. -0.065 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

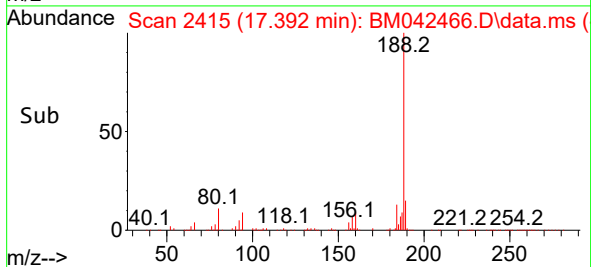
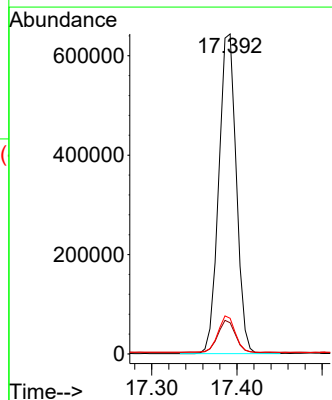
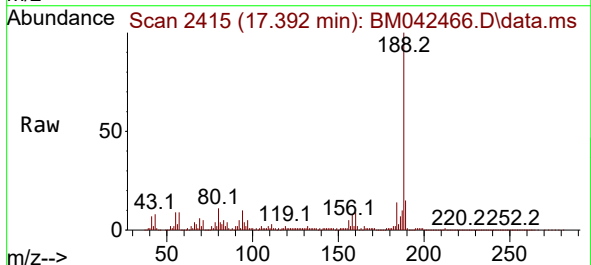
Instrument :
BNA_M
ClientSampleId :
WASTERE

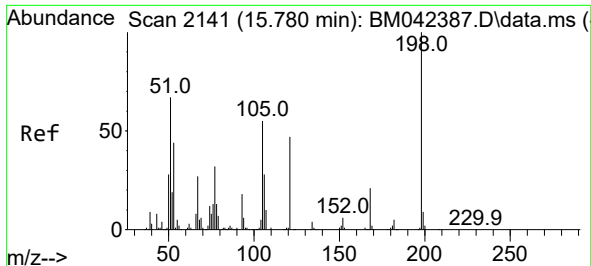
Tgt Ion:138 Resp: 2705
Ion Ratio Lower Upper
138 100
92 142.7 40.4 80.4#
108 105.7 65.3 105.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

Tgt Ion:188 Resp: 918630
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.0
80 11.2 10.7 16.1

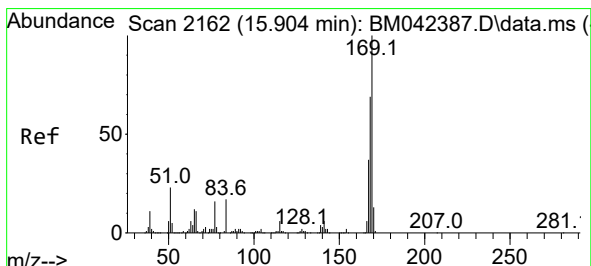
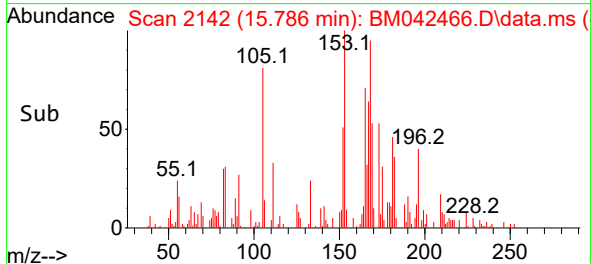
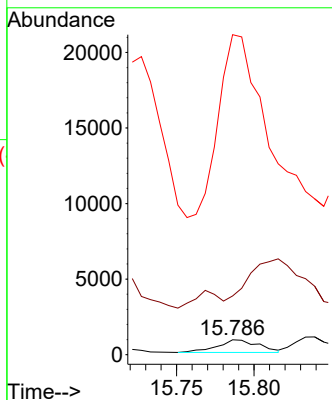
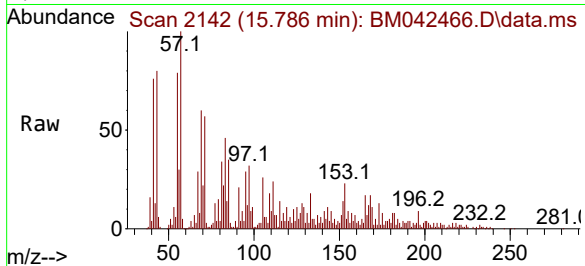




#65
4,6-Dinitro-2-methylphenol
Concen: 6.314 ng
RT: 15.786 min Scan# 2141
Delta R.T. 0.006 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

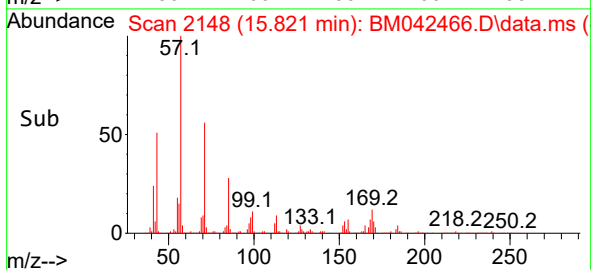
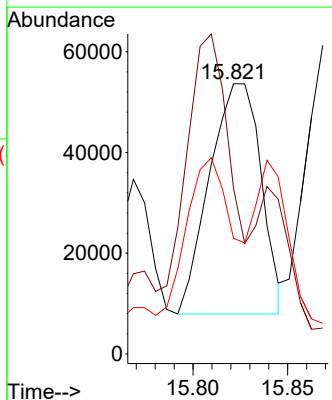
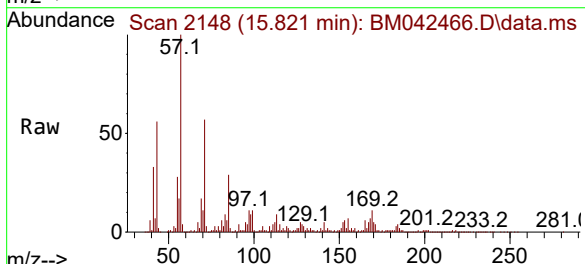
Instrument :
BNA_M
ClientSampleId :
WASTERE

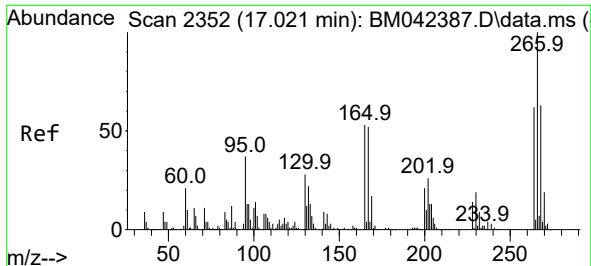
Tgt Ion:198 Resp: 1540
Ion Ratio Lower Upper
198 100
51 395.6 54.1 94.1#
105 2156.4 35.9 75.9#



#66
n-Nitrosodiphenylamine
Concen: 3.133 ng
RT: 15.821 min Scan# 2148
Delta R.T. -0.082 min
Lab File: BM042466.D
Acq: 26 Oct 2023 23:29

Tgt Ion:169 Resp: 86694
Ion Ratio Lower Upper
169 100
168 61.2 55.4 83.2
167 42.8 29.9 44.9

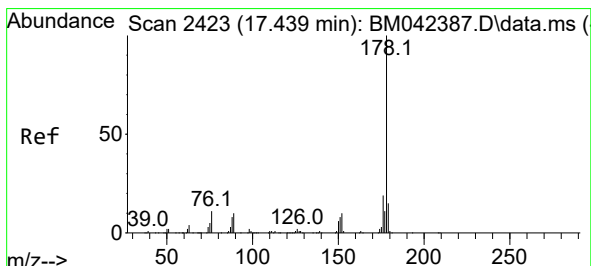
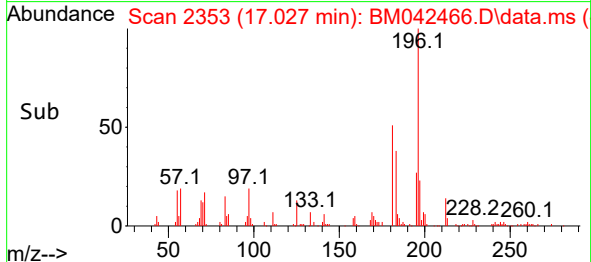
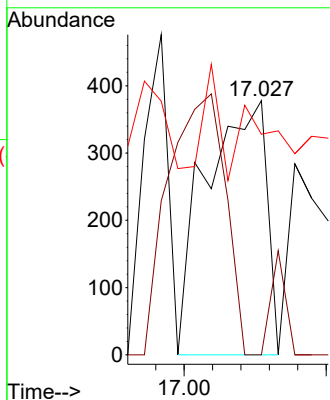
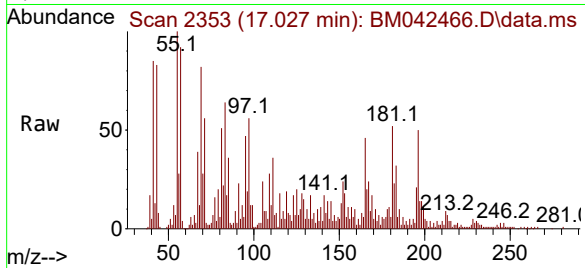




#70
 Pentachlorophenol
 Concen: 6.054 ng
 RT: 17.027 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM042466.D
 Acq: 26 Oct 2023 23:29

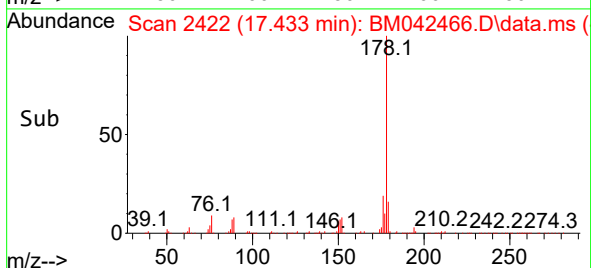
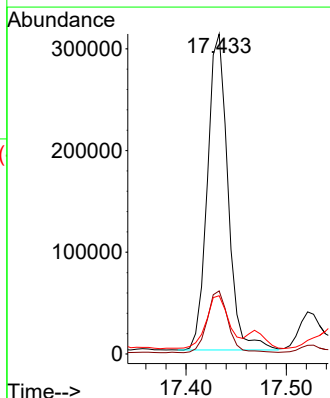
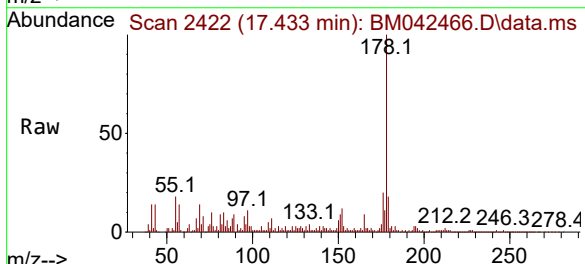
Instrument :
 BNA_M
 ClientSampleId :
 WASTERE

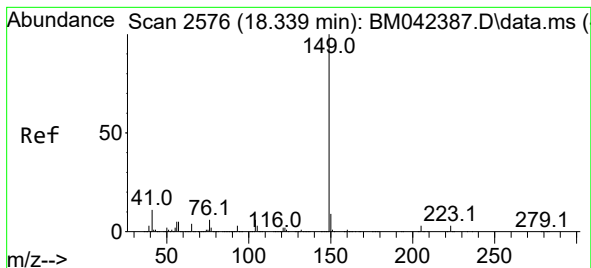
Tgt Ion:266 Resp: 560
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.6 76.0#
 264 86.8 49.4 74.0#



#71
 Phenanthrene
 Concen: 8.842 ng
 RT: 17.433 min Scan# 2422
 Delta R.T. -0.006 min
 Lab File: BM042466.D
 Acq: 26 Oct 2023 23:29

Tgt Ion:178 Resp: 441880
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 18.2 12.3 18.5





#74

Di-n-butylphthalate

Concen: 3.031 ng

RT: 18.327 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE

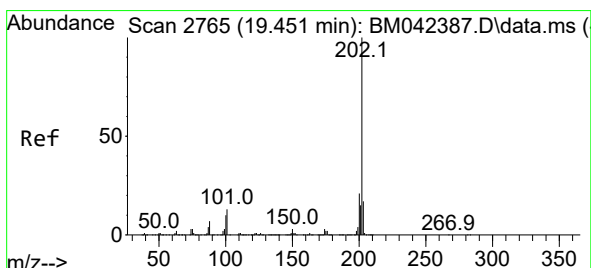
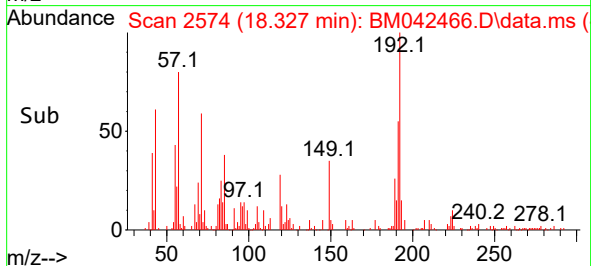
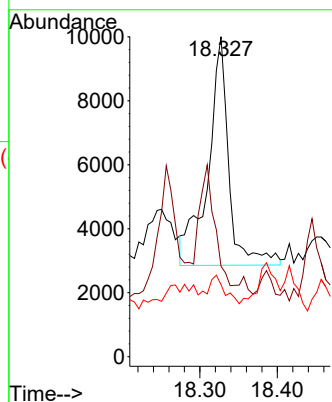
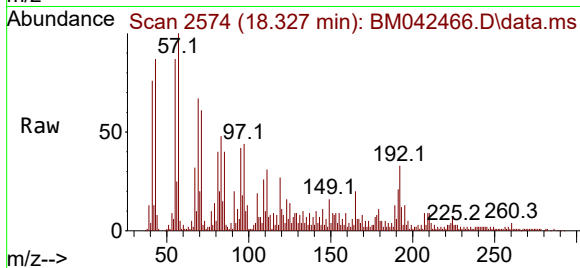
Tgt Ion:149 Resp: 13372

Ion Ratio Lower Upper

149 100

150 28.3 7.4 11.0#

104 22.6 4.6 7.0#



#75

Fluoranthene

Concen: 4.496 ng

RT: 19.439 min Scan# 2763

Delta R.T. -0.012 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

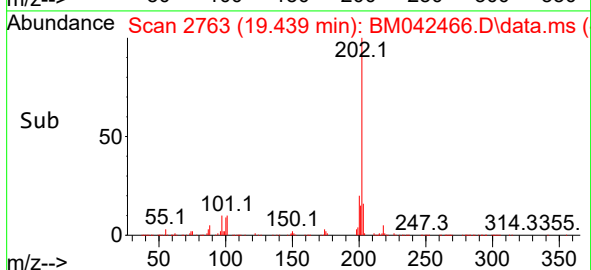
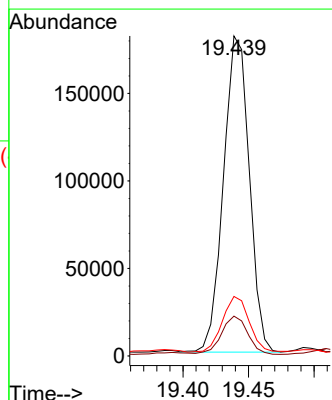
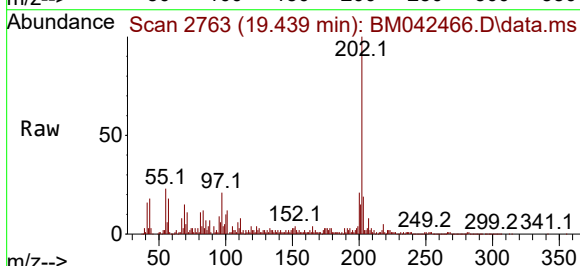
Tgt Ion:202 Resp: 247464

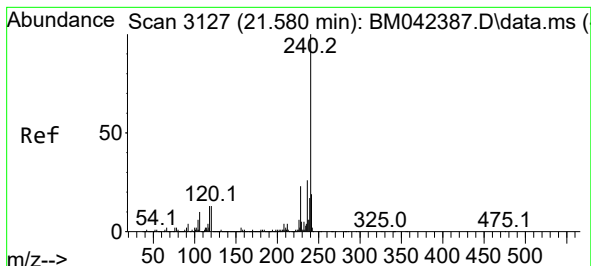
Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.3

203 18.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.562 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE

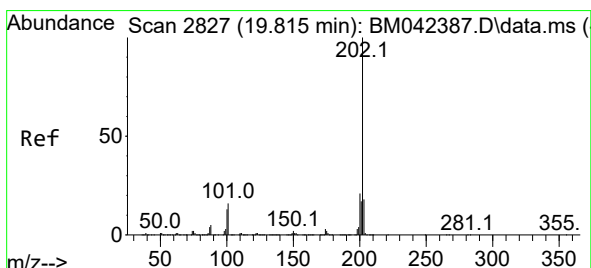
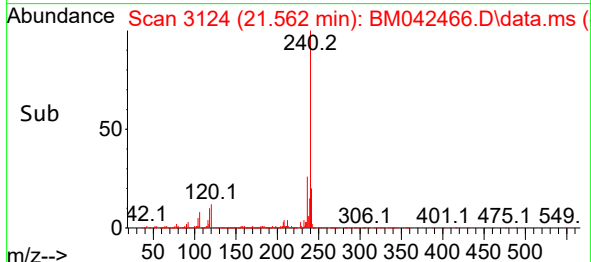
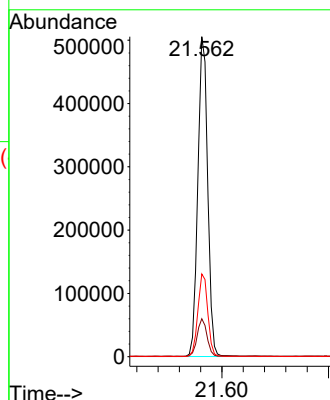
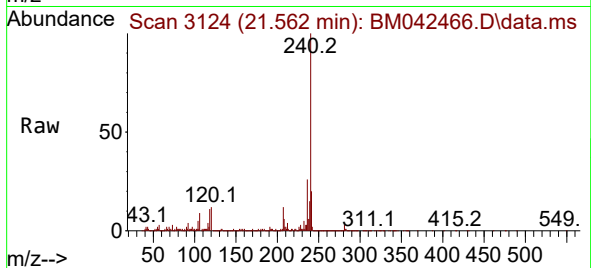
Tgt Ion:240 Resp: 649173

Ion Ratio Lower Upper

240 100

120 11.9 10.7 16.1

236 25.9 20.7 31.1



#78

Pyrene

Concen: 5.620 ng

RT: 19.809 min Scan# 2826

Delta R.T. -0.006 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

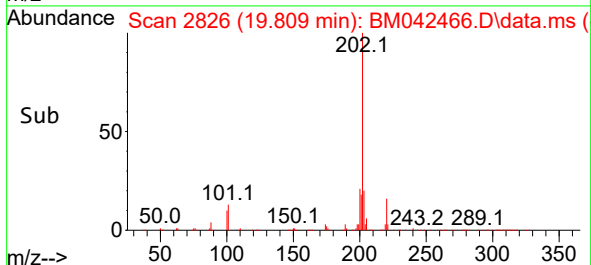
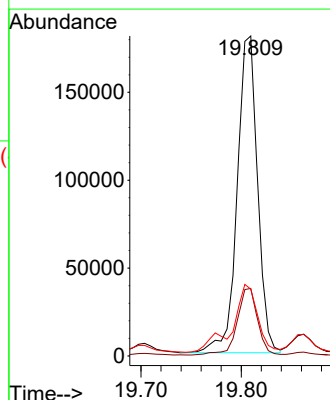
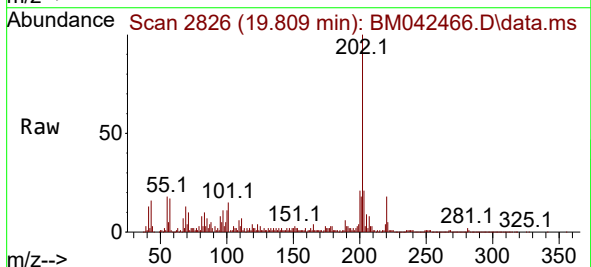
Tgt Ion:202 Resp: 254965

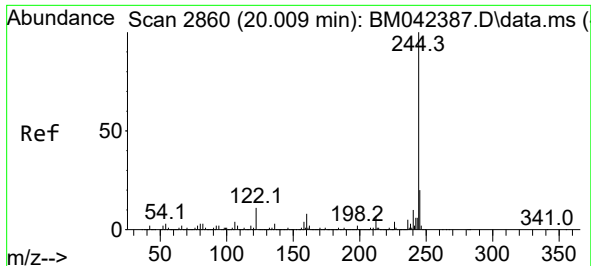
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 20.9 14.1 21.1

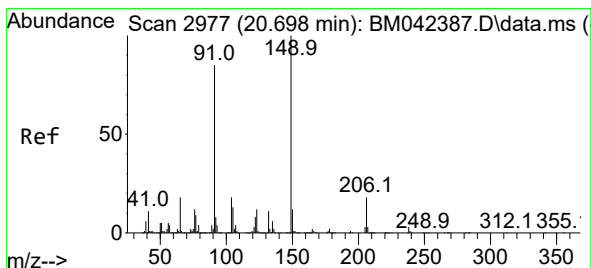
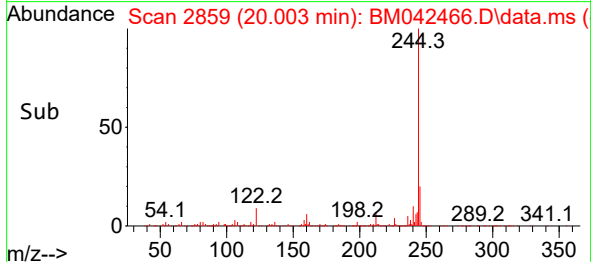
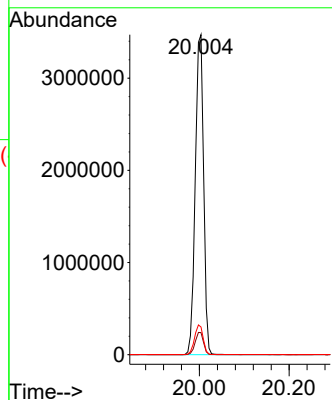
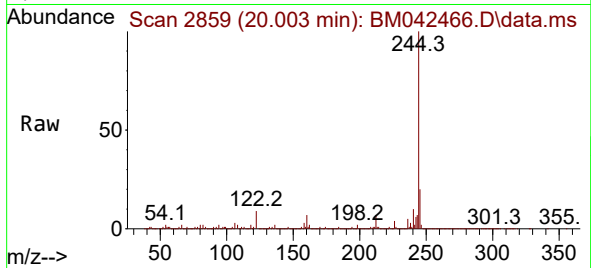




#79
 Terphenyl-d14
 Concen: 122.028 ng
 RT: 20.003 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042466.D
 Acq: 26 Oct 2023 23:29

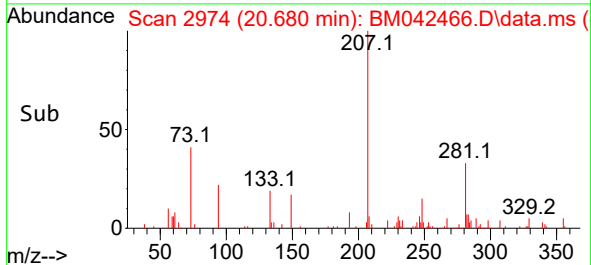
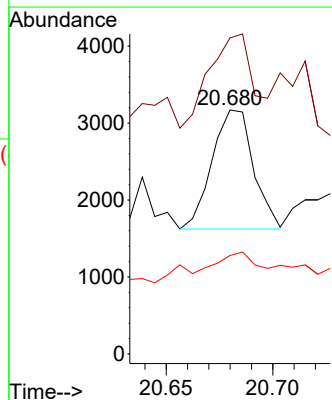
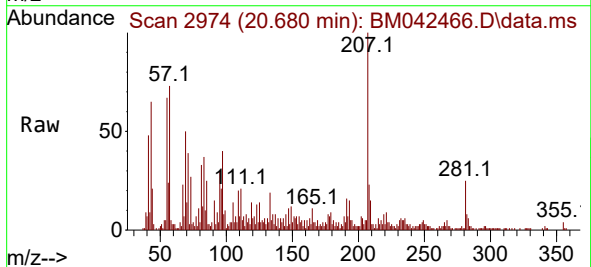
Instrument :
 BNA_M
 ClientSampleId :
 WASTERE

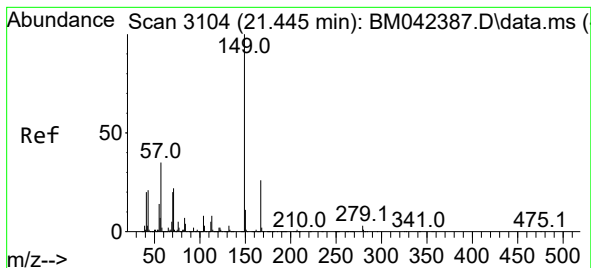
Tgt Ion:244 Resp: 4466741
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 8.7 8.8 13.2#



#80
 Butylbenzylphthalate
 Concen: 3.353 ng
 RT: 20.680 min Scan# 2974
 Delta R.T. -0.018 min
 Lab File: BM042466.D
 Acq: 26 Oct 2023 23:29

Tgt Ion:149 Resp: 2088
 Ion Ratio Lower Upper
 149 100
 91 129.5 68.3 102.5#
 206 40.3 14.6 22.0#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.383 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.018 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE

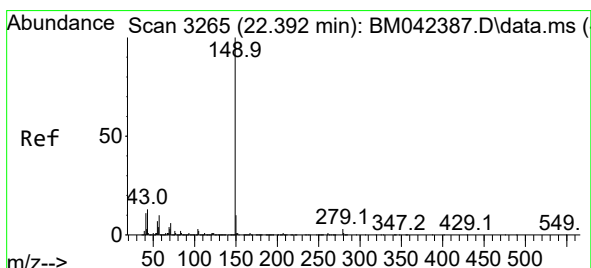
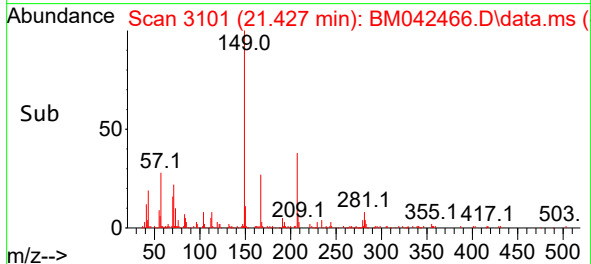
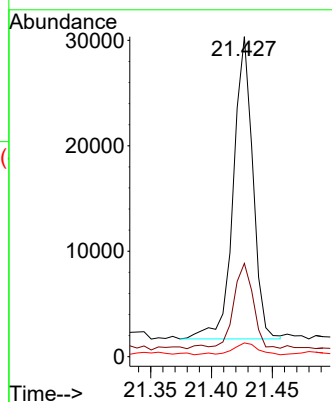
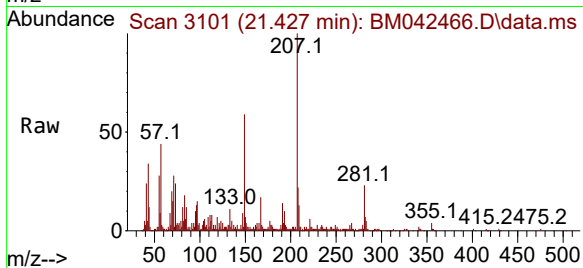
Tgt Ion:149 Resp: 31887

Ion Ratio Lower Upper

149 100

167 29.1 20.9 31.3

279 4.3 2.7 4.1#



#85

Di-n-octyl phthalate

Concen: 4.245 ng

RT: 22.362 min Scan# 3260

Delta R.T. -0.030 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

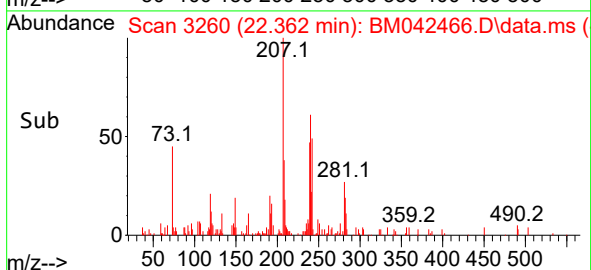
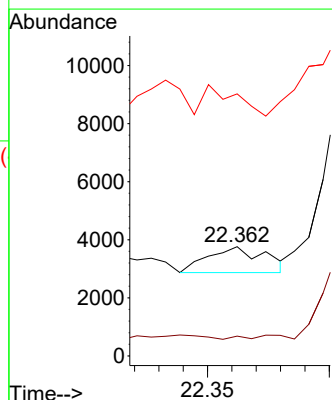
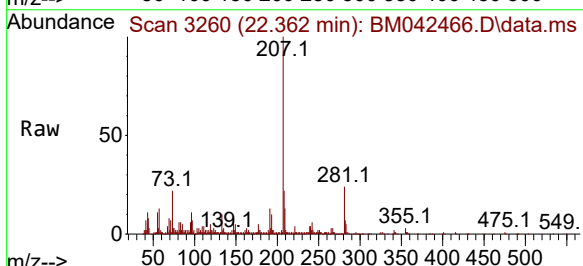
Tgt Ion:149 Resp: 1456

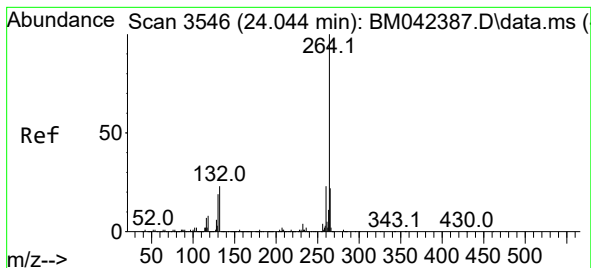
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 11.0 16.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.027 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE

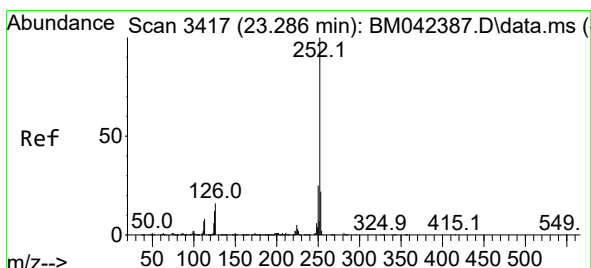
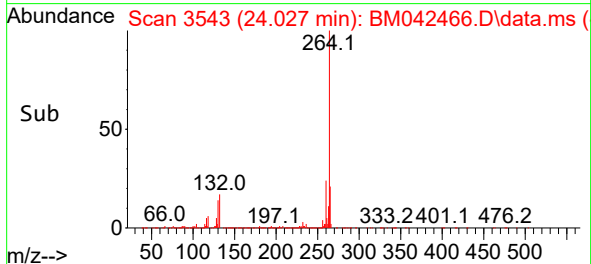
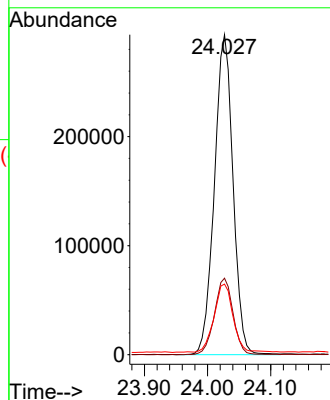
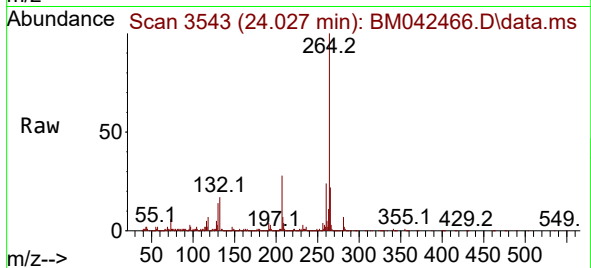
Tgt Ion:264 Resp: 600434

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 22.0 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 2.242 ng

RT: 23.262 min Scan# 3413

Delta R.T. -0.023 min

Lab File: BM042466.D

Acq: 26 Oct 2023 23:29

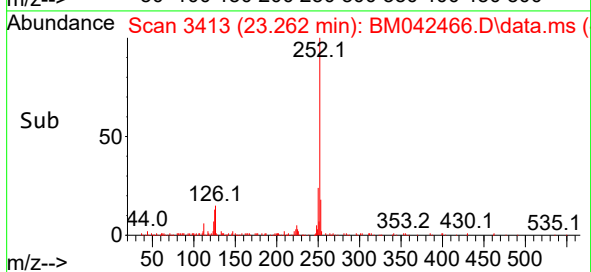
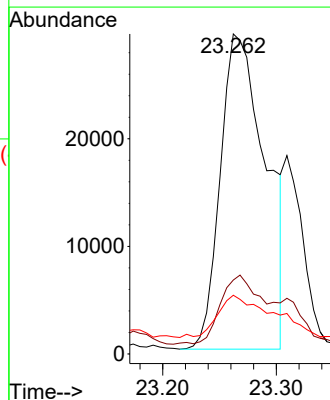
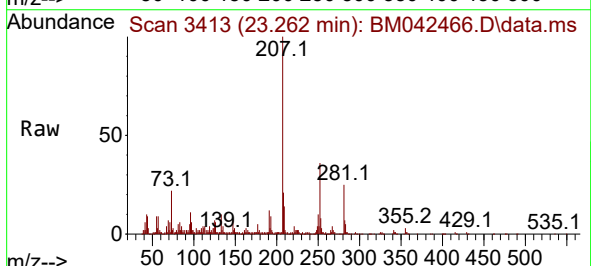
Tgt Ion:252 Resp: 81020

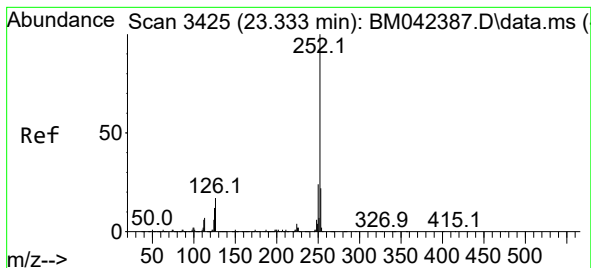
Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 18.4 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 2.159 ng

RT: 23.262 min Scan# 34

Delta R.T. -0.071 min

Lab File: BM042466.D

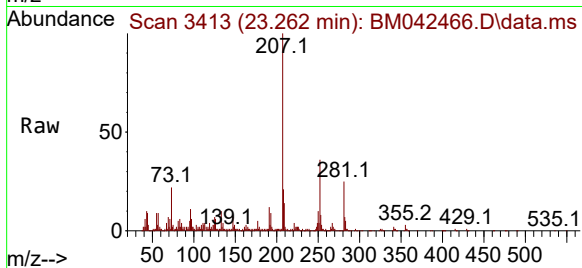
Acq: 26 Oct 2023 23:29

Instrument :

BNA_M

ClientSampleId :

WASTERE



Tgt Ion:252 Resp: 81020

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 18.4 10.2 15.2#

